PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 28204	FOR FURTHER see Form PCT/ISA/220 ACTION as well as, where applicable, item 5 below.		
International application No. PCT/IL04/00704	International filing date (day/month/year) 01 August 2004 (01.08.2004)	(Earliest) Priority Date (day/month/year) 31 July 2003 (31.07.2003)	
Applicant RAMOT AT TEL AVIV UNIVERSITY LT	D.		
This international search report consists of it is also accompanied 1. Basis of the Report a. With regard to the language, the international a translation of the of a translation furb. With regard to any nucleotid certain claims were founded. Unity of invention is lacking the text is approved as submits.	transmitted to the International Bureau. of a total of sheets. by a copy of each prior art document cite international search was carried out on the b pplication in the language in which it was file international application into	asis of: ited, which is the language	
	according to Rule 38.2(b), by this Authority	y as it appears in Box No. IV. The applicant ch report, submit comments to this Authority.	
as suggested by the a	uthority, because the applicant failed to suggestion the suggestion of the characteristics	gest a figure.	

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL04/00704

Box No. II	Box No. II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)				
This internati	onal search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:				
1. 🛛	Claims Nos.: 159-164 because they relate to subject matter not required to be searched by this Authority, namely: The claims are drawn to either dataset or medium storing thereof, which are nonfuntional descriptive material.				
2.	Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:				
3.	Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).				
Box No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)				
—	onal Searching Authority found multiple inventions in this international application, as follows:				
ı. [_]	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.				
2.	As all searchable claims could be searched without effort justifying additional fees, this Authority did not invite payment of any additional fees.				
3.	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:				
4.	No required additional search fees were timely paid by the applicant. Consequently, this international search report is				
	restricted to the invention first mentioned in the claims; it is covered by claims Nos.:				
Remark on P	The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.				
	The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.				
	No protest accompanied the payment of additional search fees.				

Form PCT/ISA/210 (continuation of first sheet(2)) (April 2005)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL04/00704

A. CLAS	SSIFICATION OF SUBJECT MATTER G01N 33/48(2006.01)				
USPC: 702/19 According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIEL	DS SEARCHED				
	cumentation searched (classification system followed b 02/19, 702/20	by classification symbols)			
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched -					
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) STN and EAST					
C. DOCI	JMENTS CONSIDERED TO BE RELEVANT				
Category *	Citation of document, with indication, where a		Relevant to claim No.		
A	THOMPSON et al. CLUSTAL W: Improving the Sensitivity of Progressive Multiple Sequence Alignment Through Sequence Weighting, Position-specific Gap Penalties and Weight Matrix Choice. Nucleic Acids Research. 1994, Vol. 22, pages 4673-4680, entire document, especially pages 4674-4678.				
A	GOUET et al. ESPrint: Analysis of Multiple Sequence Alignment in PostScrit. Bioinformatics. 1999, Vol. 15, pages 305-308, entire document, especially pages 305-307.		1-158		
X	ALTSCHUL et al. Gapped BLAST and PSI_BLAST: a New Generation of Protein Database Search Programs. Nucleic Acids Research. 1997, Vol. 25, pages 3389-3402, entire document, especially pages 3390-3400.				
A	REBHAN et al. GeneCard: a Novel Functional Genomining and Query REformulation Support. Bioinformentire document.	1-158			
Further	documents are listed in the continuation of Box C.	See patent family annex.			
	occial categories of cited documents:	"T' later document published after the intern	national filing date or priority		
•	defining the general state of the art which is not considered to be of	date and not in conflict with the application but cited to understand the			
	plication or patent published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone			
	pecified) considered to involve an		elevence; the claimed invention cannot be inventive step when the document is		
"O" document	referring to an oral disclosure, use, exhibition or other means	combined with one or more other such documents, such combination being obvious to a person skilled in the art			
	published prior to the international filing date but later than the te claimed	"&" document member of the same patent family			
Date of the ac 02 April 2007	(ual completion of the international search	Date of national of the international search	report		
	iling address of the ISA/US	Authorized officity	1.15		
Mail Com	Mail Stop PCT, Atm: ISA/US Commissioner for Patents P.O. Box 1450 Shubo (Joe) Zhou Commissioner for Patents		Jac V		
Alex	Alexandria. Virginia 22313-1450 Telephone No. (571)-272-1600 Facsimile No. (571) 273-3201				

Form PCT/ISA/210 (second sheet) (April 2005)

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IL04/00704

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Category *	Citation of document, with indication, where appropriate, of the relevant passages SRINIVASARAO et al. Database of Protein Sequence Alignments: PIR_ALN. Nucleic Acids Research. 1999, Vol. 27, pages 284-285, entire document.	Relevant to claim No.

Form PCT/ISA/210 (continuation of second sheet) (April 2005)